Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/08/2020 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124805	-1	2.73	124882	2.75
Blue	F	SSC	125000	124186	-1	1.54	124982	1.54
Blue	E	FITC	16433	16048	-3	2.89	348	19.64
Blue	D	PE	27595	27165	-2	2.07	590	14.60
Blue	B	PerCP-Cy5-5	43183	42764	-1	3.71	1150	20.16
Blue	A	PE-Cy7	31943	31926	-1	6.14	608	40.34
Red	C	APC	42819	42775	-1	2.43	1512	11.95
Red	A	APC-Cy7	31261	30459	-3	2.32	805	11.88
Violet	B	V450	6527	6320	-4	4.78	352	13.59
Violet	A	V500	24533	23635	-4	4.54	550	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17951	14.64	615	15	N/A	N/A	Pass
Blue	F	SSC	56474	1.15	556	8	N/A	N/A	Pass
Blue	E	FITC	64	62.06	542	3	0.0209	108	Pass
Blue	D	PE	125	49.42	539	5	0.1738	298	Pass
Blue	B	PerCP-Cy5-5	211	50.12	652	10	0.0093	79	Pass
Blue	A	PE-Cy7	114	100.12	699	10	0.0113	19	Pass
Red	C	APC	358	25.20	582	-1	0.0255	177	Pass
Red	A	APC-Cy7	178	28.86	561	-2	0.0057	1099	Pass
Violet	B	V450	54	60.89	450	-5	0.0505	2191	Pass
Violet	A	V500	82	35.30	461	-6	0.0228	958	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.30	-31.86	0.98
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	15.54	13.60 - 20.40	N/A	N/A	29.35	29.89	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9882

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments